

SITE NUMBER: ED-L4-08

LOCAL NAME: Trash Cr.

WRIA: 20.0120J

NORTH COAST OFF CHANNEL SITE INVENTORY DATA

RIVER SYSTEM: E. F. Dickey **DATE:** 3/27/91 **OBSERVER:** Nettnin

CHANNEL TYPE: Terrace tributary (wall-based)

TRIBUTARY TO: E. F. Dickey River (20.0110)

SITE LOCATION: L.B. @ R.M. 12.5 (U.S.G.S.)

LEGAL DESCRIPTION: NE 1/4 S31 T30N R13W

	<u>UPPER END</u>	<u>LOWER END</u>	<u>RIVER TEMP</u>
<u>WATER TEMP:</u>	46 F	44 F	41 F
<u>FLOW (CFS):</u>	0.1 - 0.25	0.2 - 0.5	

SUBSTRATE TYPE: Hardpan & silt.

SITE SIZE: **Length-** 280 m (Mouth to a point 50 m above the 9410 culvert)

Width- Water surface = 0.5 - 1.5 m

 Channel = 0.5 - 2 m

Depth- Avg. = 10 to 15 cm Max. = 30 cm

WATER SOURCE: Terrace tributary and springs.

DIRECTIONS TO SITE: Go north from Forks on Hwy 101 about 8.4 mi. then turn left onto Lk. Pleasant Rd. (0.4 mi. north of MP 200). Stay on the main road going past the community park and across the Lake Cr. bridge. Turn right and continue up the county road (along the northwest shore of the lake) to the end of the pavement. This road then becomes the 9000 line. Continue on the 9000 line another 6.0 miles (going past the 9300 & 6000 line junctions) until coming to a new (1990) concrete bridge. Continue 0.2 mi. beyond the bridge to the junction with the 9400. Turn left on the 9400 and continue about 0.9 mi. to the 9410. Keep left at the junction and continue on the 9410 about 3.4 miles until coming to a culvert crossing with a small, marshy area just upstream of the road. This is ED-L4-08.

FISH ACCESS AND CURRENT USE: ED-L4-08 enters the river at a large back eddy. Upstream migration appears to be inhibited at lower flows, however, by a moderately steep egress channel. No fish were observed.

FLOODING POTENTIAL: Low.

LANDOWNER: John Hancock (Managed by the Campbell Group).

COMMENTS & RECOMMENDATIONS: ED-L4-08 enters the river on the outside of a hard bend. Some bank erosion is occurring here but an excellent back eddy pool has formed at the mouth of the channel. The egress channel of ED-L4-08 has a moderately steep gradient as it cuts through a layer of hardpan and woody debris before entering the river.

About 25 m above its mouth, the channel of ED-L4-08 is up on the riverine terrace (i.e. the first terrace above the floodplain). The banks here are very low, which allows the channel to become braided. During periods of higher flow, one of these secondary channels allows water to take a "short cut" to the river. This water enters the river by plunging over a high bank. If it were not lost from the main flow of ED-L4-08, this "extra" water would provide more attraction flow and might help in the upstream migration of juvenile salmon.

Further upstream, above a vine maple flat, the channel of ED-L4-08 widens and deepens. Along this reach, the channel has recently been logged through and has excess woody debris in places. This woody

debris offers the only shade in this reach.

Some exposed gravel was seen just below the culvert at the 9410 road. A marsh with some ponded water occurs just above the culvert. A large pile of logging slash left in the marsh area appears to render a lot of the habitat useless for coho fry.

Plank controls should work well in this channel to enhance its coho rearing capabilities. Removal of excess woody debris will allow better fish access throughout the channel. Revegetation along the stream will provide more shade. Channelization in the braided area and modification of the egress channel to reduce the gradient problem should aid in recruitment. All or part of these recommendations should be beneficial to this channel. Should also continue to monitor flows here throughout the year. Once it has been cleaned up, this channel might make a good fall planting site.

DATE: 5/15/91

OBSERVER: Nettnin

Flow is < 0.25 cfs at the mouth of ED-L4-08. Flow below the 9410 road crossing goes intergravel for a short distance due to the gravel accumulation at the outlet of the culvert. Flow was seen in several places throughout the marsh.

DATE: 5/29/91

OBSERVER: Nettnin/King

Flow in the channel of ED-L4-08 is about 30 gal/min. There is still some flow in the marsh. This channel has the potential for controls and/or blasting and some debris removal.

DATE: 4/1/92

OBSERVER: King/Young

Record low precipitation for March. Springs still flowing 30' below grade. Some spring action above grade, but not flowing through culvert. Still looks like a good candidate for controls and/or blasting.

DATE: 2/17/93 - 2/18/93

OBSERVER: Darrow

The minnow traps were baited with salmon roe that was acquired at the Solduck Hatchery. The fall of '92 was unusually dry. This channel may not have had enough flow to attract upstream migrants until late Nov. Recent weather has been cold and dry; one inch of ice on ponded water; only 0.67" of rainfall since Feb. 1, 93.

MINNOW TRAPPING REPORT

TRAP	DATE SET	DATE TEMP	DATE PULLED	TEMP	COHO	CATCH			COTTID
						RBT	CUTT	0+	
1	2/17		2/18		0	0	0	0	0
2	2/17		2/18		0	0	0	0	0
3	2/17		2/18		0	0	0	0	0
4	2/17		2/18		0	0	0	0	2
5	2/17		2/18		2	0	0	0	14

TOTALS: 2 0 0 0 16
Avg. L (mm) 107 0 0 0 N/A

DATE: 7/9/97 - 7/25/97

OBSERVER: Nettnin, King

During this time period, six plank weirs were installed to create ponds. The egress was modified to flow through an overflow channel in order to bypass a four foot plunge. The channel bed, below the culvert under the 9410 road, was lowered to prevent the stream flow from going subsurface.

DATE: 9/19/97

OBSERVER: Nettnin

A follow up inspection was done. All weirs looked good, no leaks were detected. The modified egress channel is well embedded. The channel below the culvert is still a little high as the stream was still subsurface. As flows increase, the problem may correct itself.

DATE: 12/17/97

OBSERVER: Darrow

TRAP	DATE		DATE		COHO		RBT	CUTT	COTTID	
	SET	TEMP	PULLED	TEMP	UMRK	MRK				
			°C		°C					
1	12/16	7.0°C	12/17	6.5°C	8	0	0	1	0	
2	12/16	7.0°C	12/17	6.5°C	2	0	0	0	0	
3	12/16	7.0°C	12/17	6.5°C	8	0	0	0	0	
4	12/16	7.0°C	12/17	6.5°C	3	0	0	0	0	
5	12/16	8.0°C	12/17	6.5°C	0	0	0	1	3	
6	12/16	7.0°C	12/17	6.5°C	7	0	0	1	1	
7	12/16	7.0°C	12/17	6.5°C	0	0	1	0	6	
8	12/16	7.0°C	12/17	6.5°C	1	0	0	1	1	
9	12/16	7.0°C	12/17	6.5°C	1	0	2	0	8	
-----					TOTALS:	30	0	3	4	19

COMMENTS:

-Traps 1, 2 and 3 were placed in upper end, pooled area - upstream of the D-9410 road culvert.
 -Traps 4, 5, 6, 7, 8 and 9 were each placed in the pooled area above each plank control. Trap 4 was the furthest upstream control and the other traps descended downstream in order.

TRASH CREEK - COHO FORK LENGTHS (mm)								
Trap 1	100	94	87	94	90	96	102	96
Trap 2	108	103						
Trap 3	89	94	85	94	90	83	100	92
Trap 4	95	101	93					
Trap 6	103	88	109	87	108	96	91	
Trap 8	93							
Trap 9	95							
AVG	95.2	STD	6.8047	MIN	83	MAX	109	

DATE: 4-8-98

OBSERVER: Darrow

TRAP	DATE		DATE		COHO		RBT	CUTT	COTTID	
	SET	TEMP	PULLED	TEMP	UMRK	MRK				
			°C		°C					
1	4/7	7.0°C	4/8	7.0°C	1	0	0	1	0	
2	4/7	7.0°C	4/8	7.0°C	3	0	0	1	0	
3	4/7	7.0°C	4/8	7.0°C	0	0	0	0	0	
4	4/7	7.0°C	4/8	7.0°C	2	0	0	0	0	
5	4/7	7.0°C	4/8	7.0°C	0	0	0	0	1	
6	4/7	7.0°C	4/8	7.0°C	0	0	0	0	5	
7	4/7	7.0°C	4/8	7.0°C	2	0	0	1	13	
8	4/7	7.0°C	4/8	7.0°C	5	0	0	2	9	
9	4/7	7.0°C	4/8	7.0°C	5	0	0	1	10	
-----					TOTALS:	18	0	0	6	38

COMMENTS:

-Traps 1, 2 and 3 were placed in upper end, pooled area - upstream of the D-9410 road culvert.
 -Traps 4, 5, 6, and 7 were each placed in the pooled area above each plank control. Trap 4 was the furthest upstream control and the other traps descended downstream in order.
 -Traps 8 and 9 were both placed between the 4th and 5th controls (furthest downstream).

TRASH CREEK - COHO FORK LENGTHS (mm)							
Trap 1	101						
Trap 2	105	94	96				
Trap 4	95	101					
Trap 7	117	115					
Trap 8	97	101	97	95	112		
Trap 9	99	107	114	94	110		
AVG	102.8	STD	7.86	MIN	94	MAX	117

DATE: 4/7/98

OBSERVER: Darrow

Project looked fine. Observed salmonids.

DATE: 11/9/98

OBSERVER: Darrow

No flow here yet, everything is dry including deep holes above old culvert. There is some residual rainwater in low spots between bottom 3 plank controls. No barriers or debris jams encountered. No fish were observed.

DATE: 4/21/99

OBSERVER: Nettnin

The project was reviewed on this date and found that the number five weir is piping water under the RB end. The rest of the project is in good condition. The modified channel is stable. The river bar has changed and the egress flows upstream to a backwater instead of downstream.

DATE: 6/7/99

OBSERVER: Nettnin

The site was visited and maintenance performed. The leak on the upper most weir was repaired. A berm was built up on a low spot in the lower channel. Excess gravel in front of the culvert was removed.

DATE: 10/27/99

OBSERVER: Darrow

Upper end was dry and there was no flow down the channel. Everything else looked fine.

DATE: 4/12/00

OBSERVER: Darrow

Winter flows had scoured the road surface at old culvert location. Crushed rock has sloughed down the culvert face. Water seeps through the fill. This area needs some attention. Flow was subsurface from the culvert outlet to about 8 - 10 m downstream. It then reemerged above the top plank control. All the other controls were flowing and were okay. Observed a few smolts along the mid control area.

DATE: 8/8/00

OBSERVER: Nettnin

Repairs were made to the leak on the right bank end of the number 5 weir. Also, built up the berm at the lower end of the channel. Attempted to dig dirt away from the culvert but was unable to locate it.

DATE: 4/8/01

OBSERVER: Darrow

Everything looked good. Plank controls were clear of debris or obstructions. A tote of coho carcasses was distributed this fall from the Sol Duc Hatchery. Remnants from the carcasses were still evident. Aquatic plants are proliferating. Observed a few salmonids along the lower half of the project.

DATE: 7/9/01

OBSERVER: Nettnin

Repaired right bank end of weir number five. Mountain beaver burrow was piping water around the end.

DATE: 7/23/01

OBSERVER: Nettnin

All weirs functioning well. Some water is piping around the cut-off wall in the lower end of the channel. This does not appear to be a problem at the present time. No fish were observed.

DATE: 10/8/01

OBSERVER: Nettnin

Trash Creek is still dewatered from the summer low flow.

DATE: 12/15/01

OBSERVER: Nettnin

Distributed about 75 coho carcasses throughout the system.

DATE: 1/6/02

OBSERVER: Darrow

MINNOW TRAPPING REPORT

TRAP	DATE		DATE		CATCH			
	SET	TEMP	PULLED	TEMP	COHO	RBT	CUTT	COTTID
1	1/6	8°C	1/7	9°C	12	0	0	0
2	1/6	8°C	1/7	9°C	14	0	0	0
3	1/6	8°C	1/7	9°C	2	0	0	0
4	1/6	8°C	1/7	9°C	0	0	0	0
5	1/6	8°C	1/7	9°C	1	0	0	0
6	1/6	8°C	1/7	9°C	1	0	2	0
7	1/6	8°C	1/7	9°C	4	0	3	0
8	1/6	8°C	1/7	9°C	3	0	3	0
9	1/6	8°C	1/7	9°C	2	0	3	1
10	1/6	8°C	1/7	9°C	0	0	3	1
TOTALS:					39	0	14	2

Average size: 86.0 mm STD: 7.3 Min-Max: 67-102 Count: 27 coho measured

Traps 1, 2 and 3 were placed in succession in the in the right bank area of the pool, upstream of the culvert. Trap 1 was the furthest upstream

Traps 4 and 5 were placed in the left bank area of the pool directly upstream of the culvert.

Trap 6 was placed in directly downstream of the culvert.

Trap 7 was placed between the 5th and 6th controls.

Trap 8 was placed between the 4th and 5th controls.

Trap 9 was placed between the 3rd and 4th controls.

Trap 10 was placed between the 2nd and 3rd controls which are closest to the egress.

DATE: 3/28/02

OBSERVER: Nettnin

Project looks good. Some flow was going into salmonberry patch where channel was modified. It is not a problem at this time. No fish were observed.

OBSERVER: Darrow

Salmon carcasses that were distributed in this system in December still have plenty of flesh attached. Not many of the carcasses were pulled out of the system by scavengers. The culvert is rusting out quickly. This pipe was replaced not long ago and is already eroding on the bottom.

DATE: 4/8/02

OBSERVER: Darrow

MINNOW TRAPPING REPORT

	DATE		DATE		CATCH			
					COHO	RBT	CUTT	COTTID
1	4/7	8°C	4/8	8°C	2	0	0	0
2	4/7	8°C	4/8	8°C	0	0	1	0
3	4/7	8°C	4/8	8°C	5	0	0	0
4	4/7	8°C	4/8	8°C	0	0	0	0
5	4/7	8°C	4/8	8°C	2	0	0	0
6	4/7	8°C	4/8	8°C	1	0	1	0
7	4/7	8°C	4/8	8°C	7	0	0	4
8	4/7	8°C	4/8	8°C	1	0	0	11
9	4/7	8°C	4/8	8°C	2	0	0	0
10	4/7	8°C	4/8	8°C	4	0	0	3

Average size: 105.3 mm STD: 6.7 Min-Max: 86-115 Count: 24 coho measured

COMMENTS:

Traps 1, 2 and 3 were placed in succession in the in the right bank area of the pool, upstream of the culvert. Trap 1 was the furthest upstream

Trap 4 was placed in directly downstream of the culvert.

Trap 5 was placed between the 5th and 6th controls.

Trap 6 was placed between the 4th and 5th controls.

Trap 7 was placed between the 3rd and 4th controls.

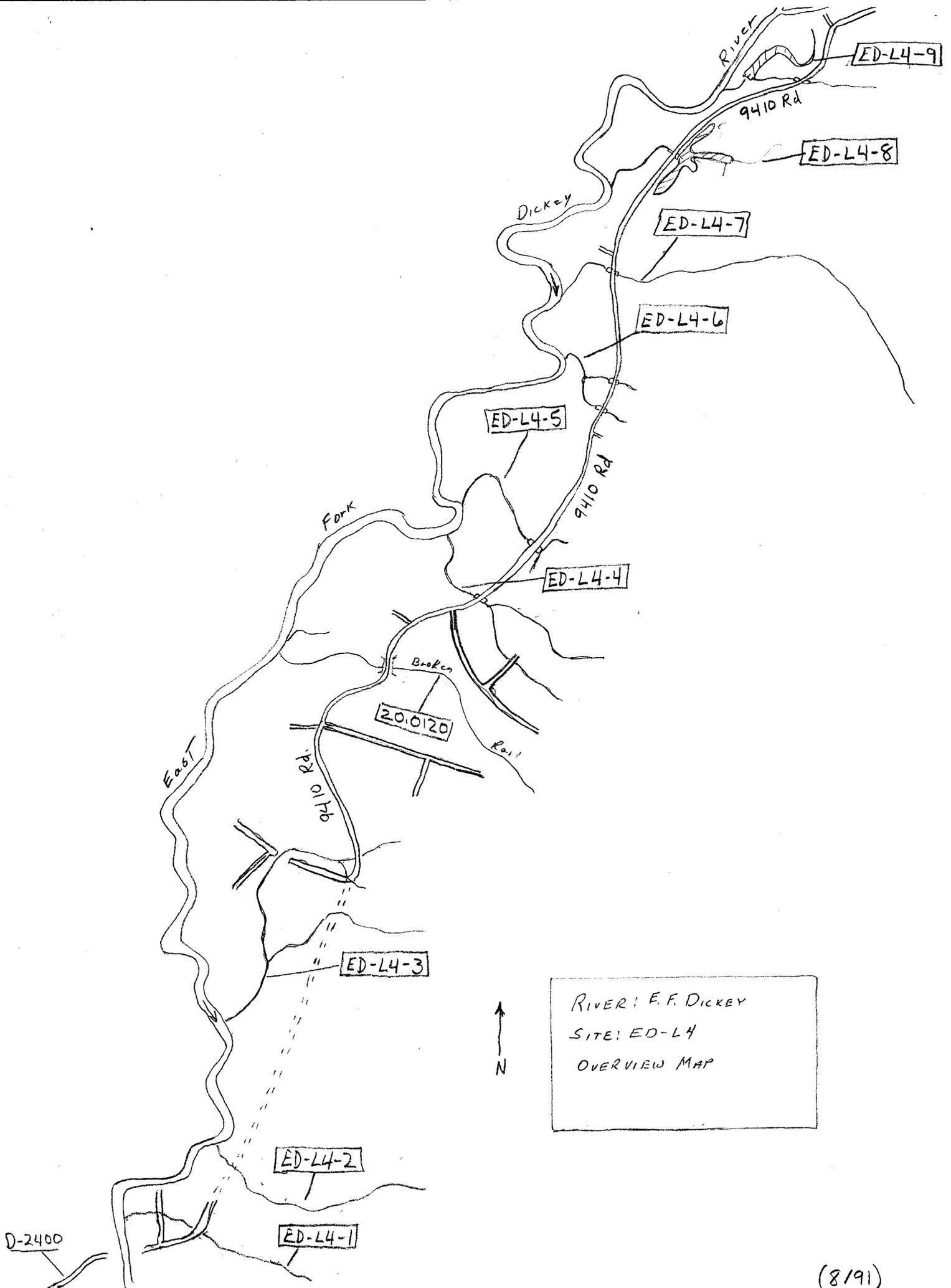
Trap 8 was placed between the 2nd and 3rd controls.

Traps 9 and 10 were placed between the 1st and 2nd controls, closest to the egress.

DATE: 12/18/02

OBSERVER: Nettnin

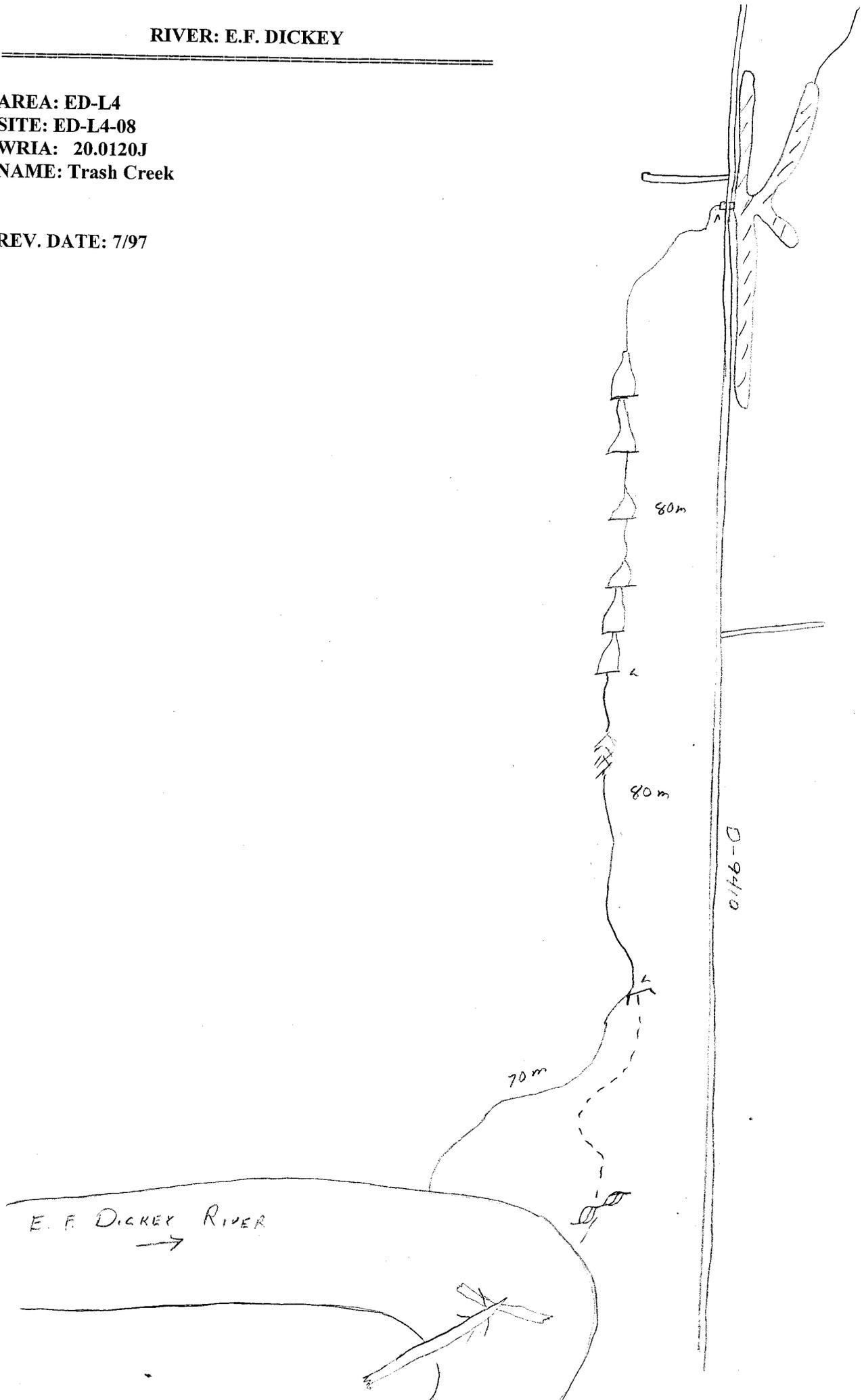
Project is okay. The egress is not as good as last year.

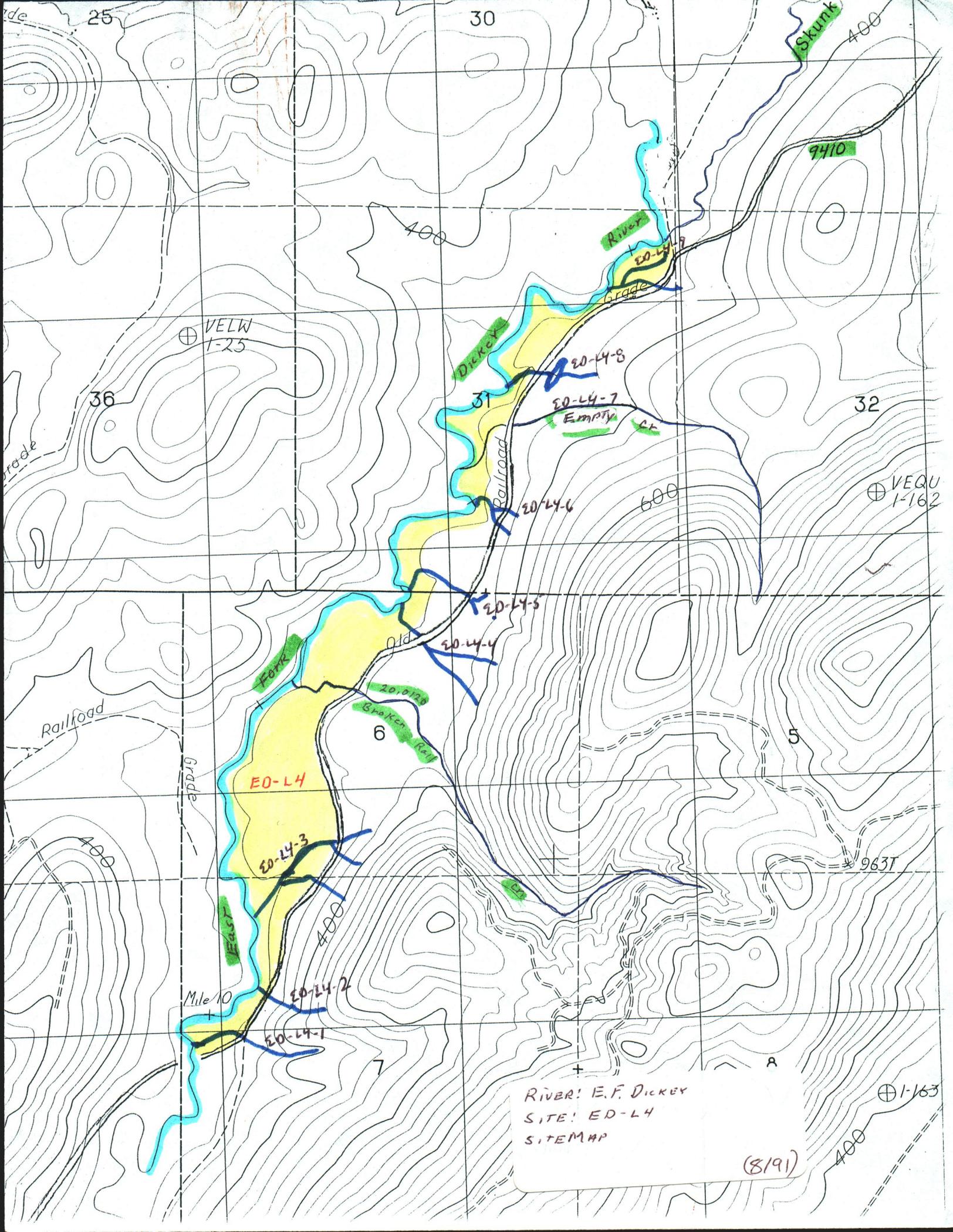


RIVER: E.F. DICKEY

AREA: ED-L4
SITE: ED-L4-08
WRIA: 20.0120J
NAME: Trash Creek

REV. DATE: 7/97





RIVER: E.F. DICKEY
SITE: EO-L4
SITEMAP

(8/91)